L Number	Hits	Search Text	DB	Time stamp
1	3621	382/170,172,209,217,218,219,220,224,225.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:30
2	2657	(triangle) near5 (match$3 or compar$5 or differentiate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:33
3	13	382/170,172,209,217,218,219,220,224,225.ccls. and ((triangle) near5 (match$3 or compar$5 or differentiate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:33
-	2652	(triangle) near5 (match$3 or compar$5 or differentiate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:31
-	14	(triangle) near5 (match$3 or compar$5 or differentiat$3) same (similar$3 or likelihood) and ((matrix or matrice) same (coordinate or axi$3) same (value or parameter or point or element))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 11:33
-	2	("20030086617").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:23

C:\APPS\east\workspaces\10040114.wsp

```
File     2:INSPEC 1969-2004/Oct W3
           (c) 2004 Institution of Electrical Engineers
File     6:NTIS 1964-2004/Oct W3
           (c) 2004 NTIS, Intl Cpyrght All Rights Res
File     8:Ei Compendex(R) 1970-2004/Oct W3
           (c) 2004 Elsevier Eng.  Info. Inc.
File    34:SciSearch(R) Cited Ref Sci 1990-2004/Oct W4
           (c) 2004 Inst for Sci Info
File    35:Dissertation Abs Online 1861-2004/Sep
           (c) 2004 ProQuest Info&Learning
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           (c) 2004 BLDSC all rts. reserv.
File    94:JICST-EPlus 1985-2004/Sep W4
           (c)2004 Japan Science and Tech Corp(JST)
File    95:TEME-Technology & Management 1989-2004/Jun W1
           (c) 2004 FIZ TECHNIK         .
File    99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep
           (c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Oct W3
           (c) 2004 INIST/CNRS
File 239:Mathsci 1940-2004/Dec
           (c) 2004 American Mathematical Society
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
           (c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
           (c) 2002 The Gale Group
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           (c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Oct 28
           (c) 2004 ProQuest Info&Learning
File 248:PIRA 1975-2004/Oct W3
           (c) 2004 Pira International
```

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Set      Items    Description
S1        4516    PLANAR(3N)POINT?
S2      198052    TRIANG?
S3       38571    GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4         144    (XY OR X-Y)()COORDINAT?
S5       32128    S2 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE-
                  ?)
S6       35488    S2 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR -
                  RANKING OR SCORED OR SCORING OR SCORE)
S7          34    FLAG(3N)(MATRIX OR MATRICE??)
S8        1832    S1 AND (PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR
                  FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9      554990    FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10      19534    BIOMETRIC?
S11        794    S8 AND (CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR COR-
                  RESPOND? OR RELATED OR ASSOCIAT?)
S12         65    S11 AND (AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()T-
                  IME OR SIMULTANEOUS?)
S13      29180    (S9 OR S10) AND (DATABASE OR INDEX OR FILE?? OR INDICES OR
                  TABLE?? OR RECORDS)
S14      22545    AU=(HUANG, J? OR HUANG J?)
S15     236321    S2:S6
S16        665    S15 AND (S1 OR S8 OR S11 OR S12)
S17          0    S16 AND S7
S18          0    S16 AND S13
S19          1    S16 AND (S9 OR S10)
S20         11    S12 AND S2
S21          0    S20 AND S7
```

```
S22        1   S20 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR
               RANKING OR SCORED OR SCORING OR SCORE)
S23        1   S22 NOT S19
S24      655   S1 AND S2
S25        1   S24 AND (S9 OR S10)
S26        0   S25 NOT (S22 OR S19)
S27        0   S24 AND S7
S28      293   S3:S5 AND (S9 OR S10)
S29      191   S28 AND S5
S30        0   S29 AND S1
S31        4   S29 AND PLANAR(3N)GRAPH??
S32        4   S31 NOT (S24 OR S22 OR S19)
S33        3   RD S32 (unique items)
S34        0   S1 AND S9 AND S10
S35       12   S1 AND (S9 OR S10)
S36       11   S35 NOT (S31 OR S24 OR S22 OR S19)
S37        9   RD S36 (unique items)
S38        7   S37 NOT SURGERY
S39        5   S38 NOT ROBOTICS
S40        0   (S10 OR FINGERPRINT? OR FINGER()PRINT?) AND S24
S41        0   S24 AND S7
S42        3   S24 AND FLAG??
S43        3   RD S42 (unique items)
S44       41   S6 AND S8
S45        0   S44 AND (S10 OR FINGERPRINT? OR FINGER()PRINT?)
S46        0   S44 NOT (S35 OR S42 OR S31 OR S24 OR S22 OR S19)
S47       98   S14 AND (S10 OR S9)
S48        0   S47 AND S1
S49        0   S47 AND S2
S50        0   S47 AND S7
S51        0   S47 AND S4
S52       13   S14 AND S10
S53        8   RD S52 (unique items)
S54       90   S14 AND S9
S55        0   S54 AND S3
S56        0   S54 AND S4
S57        0   S54 AND COORDINATE?
```

19/3,K/1   (Item 1 from file: 34)
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

00903599   Genuine Article#: FE585   No. References: 16
Title: SMOOTH SURFACE RECONSTRUCTION FROM SCATTERED DATA POINTS
Author(s): AGISHTEIN ME; MIGDAL AA
Corporate Source: PRINCETON UNIV,PROGRAM APPL & COMP MATH,FINE
    HALL/PRINCETON//NJ/08544
Journal: COMPUTERS & GRAPHICS, 1991, V15, N1, P29-39
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

...Abstract: scattered data points. This method is based on a fast
    recurrent algorithm for the Delauney **triangulation** followed by
    rational interpolation inside **triangles** . Preprocessing of data
    includes sorting and takes N log(N) time. Afterwards the computational
    cost...

...of this package includes three dimensional transformations, shading,
    hidden surface removal, interactive adding points into **triangulation**
    by mouse, etc. The graphics has been implemented on **Iris** -4D, SUN-4
    and IBM-5080.
Research Fronts: 89-0548 001   (DYNAMIC **PLANAR** **POINT** LOCATION; GEODESIC
    VORONOI DIAGRAM; CLUSTER SET OF THE LIL SEQUENCE; SIMPLE POLYGONS;
    HIERARCHICAL REPRESENTATIONS)
?

Proceedings of the Ninth Annual ACM-SIAM Symposium on Discrete Algorithms.
   Held in San Francisco, CA, January 25--27, 1998.
   Publ: Association for Computing Machinery (ACM), New York; Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA,
   1998, xii+704 pp. ISBN: 0-89871-410-9
   Language: English
   Proceedings: Symposium on Discrete Algorithms,; Symposium: Discrete Algorithms,; San Francisco, CA,   9th Annual ACM-SIAM 9th Annual ACM-SIAM 1998
   Subfile: MR (Mathematical Reviews) AMS
   Abstract Length: LONG (160 lines)
   Reviewer: Editors

   ...Michelangelo Grigni, David Karger, Philip Klein and Andrzej Woloszyn, A polynomial-time approximation scheme for **weighted** planar graph TSP (33--41); Michael Monagan and Roger Margot, Computing univariate GCDs over number...

   ...Jeff Erickson and Leonidas J. Guibas, Kinetic binary space partitions for intersecting segments and disjoint **triangles** (extended abstract) (107--116); Pankaj K. Agarwal, Lars Arge, T. M. Murali, Kasturi R. Varadarajan...

   ...218); Michal Hanckowiak, Michal Karonski and Alessandro Panconesi, On the distributed complexity of computing maximal **matchings** (219--225); Gilad Koren, Amihood Amir and Emanuel Dar, The power of migration in multi-processor scheduling of **real - time** systems (226--235); Eyal Kushilevitz and Yishay Mansour, Computation in noisy radio networks (236--243...

   ...L\sb p$ norm (426--435); Tak Wah Lam and Fung Ling Yue, Optimal edge **ranking** of trees in linear time (436--445).
   Hisao Tamaki and Takeshi Tokuyama, Algorithms for the...

   ...based approximation algorithms for scheduling problems (453--462); Richard Cole and Ramesh Hariharan, Approximate string **matching** : a simpler faster algorithm (463--472); David A. Grable and Alessandro Panconesi, Fast distributed algorithms...SAT (521--530); Julien Clement, Philippe Flajolet and Brigitte Vallee, The analysis of hybrid trie **structures** (531--539).
   Gerth Stolting Brodal, Finger search trees with constant insertion time (540--549); Mikkel...

   ...599--608); Udo Adamy and Raimund Seidel, On the exact worst case query complexity of **planar point** location (609--618); David Eppstein, Fast hierarchical clustering and other applications of dynamic closest pairs...
?

33/3,K/1   **(Item 1 from file: 2)**
DIALOG(R)File   2:INSPEC

03728228   INSPEC Abstract Number: A90129348, C90065707
 Title: Recursive sampling of planar   graphs **and fractal properties of a two-dimensional quantum gravity**
  Author(s): Agishtein, M.E.; Migdal, A.A.
  Author Affiliation: Dept. of Phys., Princeton Univ., NJ, USA
  Journal: International   Journal of Modern Physics C (Physics and Computers)   vol.1, no.1   p.165-79
  Publication Date: April 1990 Country of Publication: Singapore
  ISSN: 0129-1831
  Language: English
  Subfile: A C

 Title: Recursive sampling of planar   graphs **and fractal properties of a two-dimensional quantum gravity**
  ...Abstract: a   new   approach   to the Monte-Carlo simulations of two-dimensional gravity. The standard dynamical **triangulation** technique was combined with results of direct enumeration of the cubic graphs. As a result   the   authors were able to build large (128 K   **vertices**) statistically   independent   random   graphs directly. The quantitative correspondence between these results and those obtained by...
  ... able to conduct all the simulations, which usually require the most powerful computers, on an **Iris** workstation. An opportunity to generate large random graphs allowed the authors to observe that the...
  ...Identifiers: **planar**   **graphs ;** ...

 ...dynamical **triangulation** technique...

 ... **vertices ;** ...

 ... **Iris** workstation

 33/3,K/2   **(Item 1 from file: 239)**
DIALOG(R)File 239:Mathsci

 03484624 MR 2004a#68002
 Proceedings of the Fourteenth Annual ACM-SIAM Symposium on Discrete Algorithms.
  Held in Baltimore, MD, January 12--14, 2003.
  Publ: Association for Computing Machinery (ACM), New York; Society for Industrial and Applied Mathematics, Philadelphia, PA,
  2003, xvi+874 pp. ISBN: 0-89871-538-5
  Language: English
  Proceedings: Symposium and Discrete Algorithms,; Baltimore, MD,   14th Annual ACM-SIAM 2003
  Subfile: MR (Mathematical Reviews) AMS
  Abstract Length: LONG (270 lines)
  Reviewer: Editors

  ...Bettina Speckmann and Csaba D. Toth, Allocating vertex π-guards in simple polygons via pseudo- **triangulations** (109--118)\refcno 1 974 908\endrefcno ; Gill Barequet, Michael T. Goodrich, Aya Levi-Steiner...

 ...915\endrefcno ; Fedor V. Fomin and Dimitrios M. Thilikos [Dimitris M. Thilikos], Dominating sets in **planar**   **graphs** : branch-width and

exponential speed-up (168--177)\refcno 1 974 916\endrefcno ; Mikkel Thorup
...

...933\endrefcno ; Olivier Devillers and Monique Teillaud, Perturbations
and vertex removal in a 3D Delaunay **triangulation** (313--319)\refcno 1
974 934\endrefcno ; Menelaos I. Karavelas and Ioannis Z. Emiris, Root...

...935\endrefcno ; Mary Cryan, Martin Dyer, Haiko Muller and Leen Stougie,
Random walks on the **vertices** of transportation polytopes with constant
number of sources (330--339)\refcno 1 974 936\endrefcno...

...Chris Peikert, Abhi Shelat and Adam Smith [Adam Smith 2], Lower bounds
for collusion-secure **fingerprinting** (472--479)\refcno 1 974
954\endrefcno ; Harry Buhrman, Lance Fortnow, Ilan Newman and Hein...

...1 974 974\endrefcno ; Markus Blaser, A new approximation algorithm for
the asymmetric TSP with   **triangle** inequality (638--645)\refcno 1 974
975\endrefcno ; Moshe Lewenstein and Maxim Sviridenko [M. I...

33/3,K/3   (Item 2 from file: 239)
DIALOG(R)File 239:Mathsci
(c) 2004 American Mathematical Society. All rts. reserv.

02248954 MR 91m#05079
Every planar map is four colorable.
 With the collaboration of J. Koch.
Appel, Kenneth
Haken, Wolfgang
Contributors: Koch, J.
Publ: American Mathematical Society, Providence, RI,
1989, xvi+741 pp. ISBN: 0-8218-5103-9
Series: Contemporary Mathematics, 98.
Language: English
98
Contemporary Mathematics,
Subfile: MR (Mathematical Reviews) AMS
Abstract Length: LONG (256 lines)
Reviewer: Bernhart, F. (Rochester, NY)

   ...the book concern the 4CC in a form dual to that of the title: every
planar   graph is vertex 4-colorable. Elementary reasoning suffices to
prove that a **planar   graph** is colorable when smaller graphs are if it is
other than a highly connected planar **triangulation** with minimal degree
five. Such a graph is the dual of a unique cubic map...
...configuration'' is essentially determined by a rooted circuit
surrounding m explicitly given faces on one **side** , and touching a cyclic
sequence of n faces on the other (the ``ring''). In the...

...n-1}/8$ essentially different colorings for the ring. Those which permit
the m ``interior'' **vertices** to be colored are easily found. ...
Reduction proves the graph is colorable since there is a ring pattern that
fits both **sides** .
   Since the proof appeared, this reviewer and several others have
investigated the foundations of a...

...I and various appendices. No finite list of reductions, however large,
is adequate unless each **planar   graph** of the type described contains at
least one. This was done earlier for **planar   graphs** with a size bound by
Franklin, Reynolds, Winn, and others, who employed complex counting

arguments...

...known from experience that a configuration oversupplied with $V\sb 5$ and $V\sb 6$ **vertices** is likely to have a reducible subconfiguration. So charge is moved and recombined in order...neighbor-degrees $6,5,x,5,6$. Still another definition (p. 37) does not include **triangulation** as a condition.

A related remark concerns the fact that there are very many special...

...reducible diagrams a $V\sb 6$ and a $V\sb 5$ are hard for the **eye** to distinguish, and there is no independent way to determine ring size.

These are a...

?

39/3,K/1   (Item 1 from file: 2)

8144374   INSPEC Abstract Number: A2004-23-4280A-009, C2004-12-4188-001
  Title: **Generalised Maxwell fish** eye – and **Eaton-Lipman lens calculation**
    Author(s): Kotlyar, V.V.; Melekhin, A.S.
    Author Affiliation: Samara State Aerosp. Univ., Russia
    Journal: Komp'uternaya Optika   no.24   p.53-7
    Publisher: Mezdunarodnyj Centr Naucnoj i Tehniceskoj Informacii,
    Publication Date: 2002 Country of Publication: Russia
    ISSN: 0134-2452
    SICI: 0134-2452(2002)24L.53:GMFE;1-D
    Material Identity Number: B230-2003-003
    Language: Russian
    Subfile: A C
    Copyright 2004, IEE

  Title: **Generalised Maxwell fish** eye – and **Eaton-Lipman lens calculation**
    ...Abstract: hemisphere with spherically symmetrical Rl distribution
focuses the planar pencil of rays incident upon its **planar** surface into a
point   located on the axis of the incident beam at some distance from the
hemisphere. The lens turned out to be generalisation of the known Maxwell
fish **eye** lens. Another lens is generalisation of Eaton-Lipman one and
reflects (or refracts) any ray...
    Identifiers: Maxwell fish **eye** -lens...

39/3,K/2   (Item 2 from file: 2)

7086419   INSPEC Abstract Number: C2001-12-3390M-040
  Title: **Vision based position control of a robot manipulator using wavelet
based feature extraction**
    Author(s): Kwang-Ho Park; Hwan-Jin Cho; Chang-Doo Kee; Sang-Hwa Jeong
    Author Affiliation: Dept. of Mech. Eng., Chonnam Nat. Univ., Kwangju,
South Korea
    Conference Title: ISIE 2001. 2001 IEEE International Symposium on
Industrial Electronics Proceedings (Cat. No.01TH8570)   Part vol.1   p.
237-42 vol.1
    Publisher: IEEE, Piscataway, NJ, USA
    Publication Date: 2001 Country of Publication: USA   3 vol. xv+2147 pp.
    ISBN: 0 7803 7090 2   Material Identity Number: XX-2001-01368
    U.S. Copyright Clearance Center Code: 0 7803 7090 2/2001/$10.00
    Conference Title: ISIE 2001. 2001 IEEE International Symposium on
Industrial Electronics Proceedings
    Conference Sponsor: IEEE Ind. Electron. Soc.; Pusan Nat. Univ.; Changwon
Nat. Univ.; Inst. Control, Autom. & Syst. Eng.; Soc. Instrum. & Control
Eng. Japan; Samsung Electron.; LG Electron.; LG Electron.; Pusan-Kyungnam
Automotive Techno Center; Res. Inst. Comput., Inf. & Commun
    Conference Date: 12-16 June 2001   Conference Location: Pusan, South
Korea
    Language: English
    Subfile: C
    Copyright 2001, IEE

    ...Abstract: this paper, we present a novel technique for wavelet based
corner detection as image feature **points** in a **planar** object for
aligning a robot gripper with the object. Wavelets are suitable for the

detection...

... the object contour signals. These image features are used as final
targets to guide the **eye** -in-hand robotic system to attain the desired
orientation and height from which the gripping...
    ...Identifiers: **eye** -in-hand robotic system

39/3,K/3   **(Item 1 from file: 8)**
DIALOG(R)File   8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05909982   E.I. No: EIP01426688260
    **Title: Vision based position control of a robot manipulator using by
wavelet based feature extraction**
    Author: Park, K.-H.; Cho, H.-J.; Kee, C.-D.; Jeong, S.-H.
    Conference   Title: 2001 IEEE International Symposium on Industrial
Electronics Proceedings (ISIE 2001)
    Conference   Location: Pusan,   South   Korea   Conference   Date:
20010612-20010616
    E.I. Conference No.: 58501
    Source: IEEE International Symposium on Industrial Electronics v 1 2001.
p 237-242 (IEEE cat n 01TH8570)
    Publication Year: 2001
    CODEN: 85PTAR
    Language: English

    ...Abstract: this paper, we present a novel technique for wavelet based
corner detection as image feature **points** in a **planar** object for
aligning a robot gripper with the object. Wavelets are suitable for the
detection...

...the object contour signals. These image features are used as final
targets to guide the   **eye** -in-hand robotic system to attain the desired
orientation and height from which the gripping...

39/3,K/4   **(Item 1 from file: 34)**
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

12443921   Genuine Article#: 767DX   No. References: 56
**Title: The grainy head transcription factor is essential for the function
    of the frizzled pathway in the Drosphilla wing**
Author(s): Lee HY; Adler PN (REPRINT)
Corporate Source: Univ Virginia,Dept Biol,Charlottesville//VA/22903
    (REPRINT); Univ Virginia,Dept Biol,Charlottesville//VA/22903; Univ
    Virginia,Ctr Canc,Charlottesville//VA/22903
Journal: MECHANISMS OF DEVELOPMENT, 2004, V121, N1 (JAN), P37-49
ISSN: 0925-4773   Publication date: 20040100
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS
Language: English   Document Type: ARTICLE   (ABSTRACT AVAILABLE)

Abstract: The Drosophila wing is covered by an array of distally **pointing**
    hairs. This tissue **planar** polarity is regulated by the frizzled
    pathway. We have found that the function of the...
...Identifiers--PLANAR CELL POLARITY; 7-PASS TRANSMEMBRANE CADHERIN; TISSUE
    POLARITY; DROSOPHILA **EYE** ; ASYMMETRIC LOCALIZATION; BINDING-SITES;
    TARGET GENES; VAN-GOGH; MORPHOGENESIS; FATE

00963476   Genuine Article#: FK366   No. References: 41
Title: A NEAREST HYPERRECTANGLE LEARNING-METHOD
Author(s): SALZBERG S
Corporate Source: JOHNS HOPKINS UNIV,DEPT COMP SCI/BALTIMORE//MD/21218
Journal: MACHINE LEARNING, 1991, V6, N3, P251-276
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

...Abstract: three different domains, for which results are presented
   below: prediction of breast cancer, classification of **iris** flowers,
   and prediction of survival times for heart attack patients. The
   results in these domains...
...Research Fronts: 0066 002   (EARLY WORK IN COGNITIVE SCIENCE; KNOWLEDGE
   ACQUISITION; CHILDRENS MEMORY)
  89-0548 001   (DYNAMIC **PLANAR** **POINT** LOCATION; GEODESIC VORONOI
   DIAGRAM; CLUSTER SET OF THE LIL SEQUENCE; SIMPLE POLYGONS; HIERARCHICAL
   REPRESENTATIONS)
   89...
?

43/3,K/1   (Item 1 from file: 34)

02464011   Genuine Article#: LD073   No. References: 41
**Title: REPRESENTING GEOMETRIC STRUCTURES IN D-DIMENSIONS - TOPOLOGY AND
ORDER**
Author(s): BRISSON E
Corporate Source: WELLESLEY COLL,DEPT COMP SCI/WELLESLEY//MA/02181; UNIV
WASHINGTON/SEATTLE//WA/98195
Journal: DISCRETE & COMPUTATIONAL GEOMETRY, 1993, V9, N4, P387-426
ISSN: 0179-5376
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

Research Fronts: 91-4361 005   (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI
DIAGRAMS; DYNAMIC **PLANAR   POINT** LOCATION; COMPUTATIONAL GEOMETRY; 3D
CONVEX-HULL ALGORITHM; DELAUNAY **TRIANGULATION**)
  91-1283 001   (GROUPS FOR GEOMETRIES; BRAUER CHARACTERS; **FLAG**
  -TRANSITIVE EXTENSIONS; SYLOW SUBGROUPS)
  91-1813 001   (LOCAL COHOMOLOGY MODULES; INTEGRAL CLOSURES; RINGS OF
  DIFFERENTIAL...

43/3,K/2   (Item 2 from file: 34)

02344080   Genuine Article#: KV505   No. References: 20
**Title: ALGORITHM FOR SEMIAUTOMATIC SORTING OF OBJECTS TO SPECIFIED TISSUE
DOMAINS - AN AID FOR COORDINATING MORPHOMETRIC DATA WITH IDENTIFIED
TISSUE-COMPONENTS**
Author(s): SIKLOS L; KUHNT U
Corporate Source: BIOL RES CTR,INST BIOPHYS,MOLEC NEUROBIOL LAB,POB
521/H-6701 SZEGED//HUNGARY/; MAX PLANCK INST BIOPHYS & CHEM,DEPT
NEUROBIOL/W-3400 GOTTINGEN//GERMANY/
Journal: JOURNAL OF NEUROSCIENCE METHODS, 1993, V46, N3 (MAR), P217-224
ISSN: 0165-0270
Language: ENGLISH   Document Type: ARTICLE   (Abstract Available)

...Abstract: neighbouring perimeter points. The 'items' to be sorted are
classified by the sign of marker **flags** allocated to each point
depending on which side of the perimeter segment they are located...

...operator which may result during the procedure in multiple changes of
the sign of the **flags** . The internal or external location of each item
finally is represented by the last sign of its **flag** . Objects,
allocated to domains can be counted and processed further for numerical
density determination.
...Research Fronts: ATUBULAR GLOMERULI; PYRITHIAMINE-INDUCED
THIAMINE-DEFICIENCY)
  91-4361 001   (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI DIAGRAMS; DYNAMIC
  PLANAR   POINT LOCATION; COMPUTATIONAL GEOMETRY; 3D CONVEX-HULL
  ALGORITHM; DELAUNAY **TRIANGULATION**)
  91-4726 001   (MORPHOMETRIC ANALYSIS OF CAPILLARY GEOMETRY; PRIMARY NB
  PHASE IN NB; QUANTIFYING LUNG...

43/3,K/3   (Item 3 from file: 34)

Title: THE AUSLANDER-REITEN QUIVERS OF NONLOCAL BASS RINGS
Author(s): HAEFNER J
Corporate Source: UNIV COLORADO/COLORADO SPRINGS//CO/80933

Research Fronts: 91-1283 001   (GROUPS FOR GEOMETRIES; BRAUER CHARACTERS;
    FLAG -TRANSITIVE EXTENSIONS; SYLOW SUBGROUPS)
  91-1813 001   (LOCAL COHOMOLOGY MODULES; INTEGRAL CLOSURES; RINGS OF
    DIFFERENTIAL-OPERATORS)
  91-4361 001   (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI DIAGRAMS; DYNAMIC
    PLANAR   POINT LOCATION; COMPUTATIONAL GEOMETRY; 3D CONVEX-HULL
    ALGORITHM; DELAUNAY **TRIANGULATION**)
?

53/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

7145978   INSPEC Abstract Number: C2002-02-5260B-262
   Title: **Comparative performance evaluation of gray-scale and color information for face recognition tasks**
   . Author(s): Gutta, S.; **Huang, J.** ; Chengjun Liu; Wechsler, H.
   Author Affiliation: Philips Res., Briarcliff Manor, NY, USA
   Conference Title: Audio- and Video-Based Biometric Person Authentication. Third International Conference, AVBPA 2001. Proceedings (Lecture Notes in Computer Science Vol.2091)   p.38-43
   Editor(s): Bigun, J.; Smeraldi, F.
   Publisher: Springer-Verlag, Berlin, Germany
   Publication Date: 2001   Country of Publication: Germany   xiii+374 pp.
   ISBN: 3 540 42216 1   Material Identity Number: XX-2001-02090
   Conference Title: Audio- and Video-Based Biometric Person Authentication. Third International Conference, AVBPA 2001. Proceedings
   Conference Sponsor: Halmstead Univ.; Int. Assoc. Pattern Recognition; VISIT program of the Swedish Found. for Strategic Res.; et al
   Conference Date: 6-8 June 2001   Conference Location: Halmstad, Sweden
   Language: English
   Subfile: C
   Copyright 2002, IEE
   Author(s): Gutta, S.; **Huang, J.** ; Chengjun Liu; Wechsler, H.
   Descriptors: **biometrics** (access control...

53/3,K/2   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC

6868035   INSPEC Abstract Number: C2001-04-5260B-199
   Title: **Thinning and calculation of center point for online fingerprint verification system**
   Author(s): Liu Jia-Feng; **Huang Jian-Hua** ; Tang Xiang-Long; Zhao Quan; Zhao Bin
   Author Affiliation: Dept. of Comput. Sci. & Eng., Harbin Inst. of Technol., China
   Journal: Journal of the Harbin Institute of Technology   vol.32, no.6 p.91-6
   Publisher: Harbin Inst. Technol,
   Publication Date: Dec. 2000 Country of Publication: China
   CODEN: HPKYAY ISSN: 0367-6234
   SICI: 0367-6234(200012)32:6L.91:TCCP;1-R
   Material Identity Number: B927-2001-001
   Language: Chinese
   Subfile: C
   Copyright 2001, IEE

   Author(s): Liu Jia-Feng; **Huang Jian-Hua** ; Tang Xiang-Long; Zhao Quan; Zhao Bin
   ...Identifiers: **biometrics**

53/3,K/3   (Item 3 from file: 2)
DIALOG(R)File   2:INSPEC

5614565   INSPEC Abstract Number: C9708-5260B-086

Title: Automatic video-based person authentication using the RBF network
   Author(s): Wechsler, H.; Kakkad, V.; **Huang, J.** ; Gutta, S.; Chen, V.
   Author Affiliation: Dept. of Comput. Sci., George Mason Univ., Fairfax, VA, USA
   Conference Title: Audio- and Video-Based Biometric Person Authentication. First International Conference, AVBPA'97. Proceedings   p.85-92
   Editor(s): Bigun, J.; Chollet, G.; Borgefors, G.
   Publisher: Springer-Verlag, Berlin, Germany
   Publication Date: 1997 Country of Publication: Germany   xii+450 pp.
   ISBN: 3 540 62660 3   Material Identity Number: XX97-00558
   Conference Title: Proceedings of First International Conference on Audi and Video based Biometric Person Authentication (AVBPA)
   Conference Date: 12-14 March 1997   Conference Location: Crans-Montana, Switzerland
   Language: English
   Subfile: C
   Copyright 1997, IEE

   Author(s): Wechsler, H.; Kakkad, V.; **Huang, J.** ; Gutta, S.; Chen, V.
   ...Abstract: more forensic information becomes available on video we address in this paper automatic video-based **biometric** person authentication (AVBPA). Possible tasks and application scenarios under consideration involve detection and tracking of...
   ...Descriptors: **biometrics** (access control
   Identifiers: video-based **biometric** person authentication...

 53/3,K/4   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05164270   E.I. No: EIP98114478228
   Title: Effects of lid suturing and trans-scleral cryotherapy on ocular growth in a piglet model
   Author: Shih, Yung-Feng; Yang, Chung-May; Lin, Szu-Yuan; **Huang, Jen-Shang** ; Lin, Luke L.-K.; Hung, Por Tying
   Corporate Source: Natl Taiwan Univ Hospital, Taipei, Taiwan
   Source: Optometry and Vision Science v 75 n 10 Oct 1998. p 758-762
   Publication Year: 1998
   CODEN: OVSCET   ISSN: 1040-5488
   Language: English

   Author: Shih, Yung-Feng; Yang, Chung-May; Lin, Szu-Yuan; **Huang, Jen-Shang** ; Lin, Luke L.-K.; Hung, Por Tying
   ...Abstract: groups (N equals 4) received both cryotherapy and lid suturing. The cycloplegic refraction, corneal power, **biometric** axial length, and intraocular pressure (IOP) were measured before the experiments and 4 months later...

 53/3,K/5   (Item 1 from file: 34)
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

08845183   Genuine Article#: 335XQ   No. References: 31
Title: Evaluation of optic disc changes in severe myopia
Author(s): Wang TH; Lin SY; Shih YF (REPRINT) ; **Huang JK** ; Lin LLK; Hung
    PT
Corporate Source: NATL TAIWAN UNIV HOSP,DEPT OPHTHALMOL, 7 CHUNG SHAN S
    RD/TAIPEI//TAIWAN/ (REPRINT); NATL TAIWAN UNIV HOSP,DEPT

OPHTHALMOL/TAIPEI//TAIWAN/
Journal: JOURNAL OF THE FORMOSAN MEDICAL ASSOCIATION, 2000, V99, N7 (JUL)
, P559-563

Author(s): Wang TH; Lin SY; Shih YF (REPRINT) ; **Huang JK** ; Lin LLK; Hung
    PT
...Abstract: years) with myopia of -3.0 D or less, Measurements included
    cycloplegic refraction, corneal curvature, **biometric** axial length,
    and morphometric values of the optic disc obtained with a laser
    scanning disc...

 53/3,K/6   (Item 1 from file: 65)

04650083   INSIDE CONFERENCE ITEM ID: CN048587793
Component-Based Face Recognition with 3D Morphable Models
    Huang, J. ; Heisele, B.; Blanz, V.
  CONFERENCE: Audio-and video-based biometric person authentication-
    International conference; 4th
  LECTURE NOTES IN COMPUTER SCIENCE, 2003; (NO) 2688 P: 27-34
  Berlin, Springer, 2003
  ISSN: 0302-9743 ISBN: 3540403027
  LANGUAGE: English DOCUMENT TYPE: Conference Preprinted papers
    CONFERENCE EDITOR(S): Kittler, J.; Nixon, M. S.
    CONFERENCE SPONSOR: University of Surrey
            International Association of Pattern Recognition (IAPR)
    CONFERENCE LOCATION: Guildford 2003; Jun (200306) (200306)
  NOTE:
  Also known as AVBPA 2003

  Huang, J. ; Heisele, B.; Blanz, V.
  DESCRIPTORS: audio-based **biometric** person authentication; video-based
    biometric person authentication; AVBPA; pattern recognition; IAPR;
    audio based **biometric** person authentication; video based
    biometric person authentication; signal processing; speech; vision

 53/3,K/7   (Item 1 from file: 144)

  15651504   PASCAL No.: 02-0357192
  **Varying-coefficient models and basis function approximations for the
analysis of repeated measurements**
    HUANG Jianhua Z ; WU Colin O; LAN ZHOU
  Department of Statistics, University of Pennsylvania, Philadelphia,
Pennsylvania 19104, United States; Department of Mathematical Sciences, The
Johns Hopkins University, Baltimore, Maryland 21218, United States; Center
for Clinical Epidemiology and Biostatistics, University of Pennsylvania,
Philadelphia, Pennsylvania 19104, United States
    Journal: Biometrika, 2002, 89 (1) 111-128
    Language: English

HUANG Jianhua Z ; WU Colin O; LAN ZHOU

...English Descriptors: estimation; Confidence interval; Multivariate
analysis; Statistical regression; Variance analysis; Covariance analysis;
Asymptotic behavior; Statistical method; **Biometrics** ; Medical science;
Biased estimation; Consistent estimator; Asymptotic convergence;
Statistical simulation; Epidemiology; Covariate; Observation data;
Conditional...

53/3,K/8   (Item 2 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

  13802485   PASCAL No.: 98-0517094
  **Effects of lid suturing and trans-scleral cryotherapy on ocular growth in
a piglet model gl**
    SHIH Y F; YANG C M; LIN S Y; **HUANG J S** ; LIN L L K; POR TYING HUNG
    Department of Ophthalmology, National Taiwan University Hospital, Taipei,
Taiwan
    The Association for Research in Vision and Ophthalmology (Ft.
Lauderdale, FL USA) 1997-05-12
    Journal: Optometry and vision science, 1998, 75 (10) 758-762
    Language: English

  SHIH Y F; YANG C M; LIN S Y; **HUANG J S** ; LIN L L K; POR TYING HUNG
  ... treatment groups (N = 4) received both cryotherapy and lid suturing.
The cycloplegic refraction, corneal power, **biometric** axial length, and
intraocular pressure (IOP) were measured before the experiments and 4
months later...
?

File 344:Chinese Patents Abs Aug 1985-2004/May
        (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
        (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200467
        (c) 2004 Thomson Derwent

Set	Items	Description
S1	343	PLANAR(3N)POINT?
S2	83240	TRIANG?
S3	1747	GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4	819	(XY OR X-Y)()COORDINAT?
S5	39653	S2 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE-?)
S6	9315	S2 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR -RANKING OR SCORED OR SCORING OR SCORE)
S7	25	FLAG(3N)(MATRIX OR MATRICE??)
S8	128	S1 AND (PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	86350	FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10	1830	BIOMETRIC?
S11	32	S8 AND (CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR COR-RESPOND? OR RELATED OR ASSOCIAT?)
S12	8	S11 AND (AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()T-·IME OR SIMULTANEOUS?)
S13	5006	(S9 OR S10) AND (DATABASE OR INDEX OR FILE?? OR INDICES OR TABLE?? OR RECORDS)
S14	3153	AU=(HUANG, J? OR HUANG J?)
S15	187109	IC=G06K?
S16	1	S2 AND S7
S17	15	S14 AND S2
S18	0	S17 AND S1
S19	1	S17 AND (S9 OR S10)
S20	5	S12 AND S15
S21	5	S20 NOT (S16 OR S19)
S22	3	S11 AND (S9 OR S10)
S23	0	S22 NOT (S16 OR S19 OR S20)
S24	1	S5 AND S6 AND S7
S25	0	S24 NOT (S16 OR S19 OR S20)
S26	1	S7 AND S2
S27	0	S26 NOT (S16 OR S19 OR S20)
S28	537	S2 AND (S9 OR S10)
S29	73	S28 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR RANKING OR SCORED OR SCORING OR SCORE)
S30	33	S29 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARS-E?)
S31	32	S30 NOT (S16 OR S19 OR S20)
S32	2	S31 AND S15
S33	2	S1 AND S13
S34	0	S33 NOT (S30 OR S16 OR S19 OR S20)

16/3,K/1   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015553988   **Image available**
WPI Acc No: 2003-616143/200358
XRPX Acc No: N03-490588
  Triangle **auto matching method, involves determining** triangle
  weighting value combined with triangle **coarse matching, and calculating**
  similarity depending on triangle **weighting value**
Patent Assignee: HUANG J (HUAN-I)
Inventor: HUANG J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030086617	A1	20030508	US 200140114	A	20011025	200358	B

Priority Applications (No Type Date): US 200140114 A 20011025
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030086617	A1		27	G06K-009/68	

  Triangle **auto matching method, involves determining** triangle
  weighting value combined with triangle **coarse matching, and calculating**
  similarity depending on triangle **weighting value**

Abstract (Basic):
...   The method involves generating a set of **triangular** units and
  matching related **flag** **matrices** upon a coordinate. A **triangular**
  weighting value combined with **triangle** coarse matching depending on
  the **triangular** elements and **flag** **matrices** is determined. The
  coordinate is converted depending on a **triangle** weighting value and
  calculating similarity depending on the **triangle** weighting value.
...   The drawing shows a flow diagram of the **triangle** auto matching
  method...
Title Terms: **TRIANGLE ;**
?

015553988   **Image available**
WPI Acc No: 2003-616143/200358
XRPX Acc No: N03-490588
   Triangle **auto matching method, involves determining** triangle
  weighting value combined with triangle **coarse matching, and calculating**
  similarity depending on triangle **weighting value**
Patent Assignee: HUANG J (HUAN-I)
Inventor: **HUANG J**
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20030086617 A1 20030508 US 200140114   A   20011025 200358 B

Priority Applications (No Type Date): US 200140114 A 20011025
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20030086617 A1   27 G06K-009/68

   Triangle **auto matching method, involves determining** triangle
  weighting value combined with triangle **coarse matching, and calculating**
  similarity depending on triangle **weighting value**
Inventor: **HUANG J**

Abstract (Basic):
...   The method involves generating a set of **triangular** units and
   matching related flag matrices upon a coordinate. A **triangular**
   weighting value combined with **triangle** coarse matching depending on
   the **triangular** elements and flag matrices is determined. The
   coordinate is converted depending on a **triangle** weighting value and
   calculating similarity depending on the **triangle** weighting value.
...   Used for auto matching method e.g. **biometric** system...

...The drawing shows a flow diagram of the **triangle** auto matching method
   ...
Title Terms: **TRIANGLE** ;
?

DIALOG(R)File 350:Derwent WPIX

013226878
WPI Acc No: 2000-398752/200034
XRPX Acc No: N00-298638
   Automatic   matching **system for** planar   pattern   points   **- by**
  matching **the features to decide whether the** patterns **are approximate**
Patent Assignee: HSU W (HSUW-I)
Inventor: CHANG S; HSU W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
TW 368639   A   19990901 TW 96113185   A   19961029 200034 B

Priority Applications (No Type Date): TW 96113185 A 19961029
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
TW 368639   A   G06K-009/64
   Automatic   matching **system for** planar   pattern   points   **- ...**

...by matching **the features to decide whether the** patterns **are**
  approximate
...Abstract (Basic): A kind of **automatic   matching** system for **planar**
  pattern   points which includes: (1) coarse **matching** : provide the
  least satisfied conditions when **matching** any point in one **pattern**
  and any point in another **pattern** so as to filter out the impossible
  matched points in the two **patterns** and to save the **calculation**
  time; (2) **calculating** the **matching** probability: employing the fuzzy
  relaxation to **calculate** the **matching** probability for all the points
  in one **pattern** and all the points in another **pattern** ; (3) selecting
  the **matched** points: selecting the most possible **matched** points in
  the two **patterns** according to the **matching** probability of all the
  points of the two **patterns** ; (4) **calculating** the approximation level
  between two **patterns** : **calculating** the approximation index between
  two **patterns** ; (5) judging whether two **patterns** are approximate:
  deciding whether two **patterns** are approximate according to a default
  boundary value. The invention also includes to find out the best
  geometric adjusting value according to the **matching** result after
  primary **matching** in order to adjust the test **patterns** for accurate
  identification result. The invention also provides a novel fuzzy
  relaxation in **calculating   matching** probability.
Title Terms: **AUTOMATIC** ;
International Patent Class (Main): **G06K-009/64**

DIALOG(R)File 350:Derwent WPIX

012866128   **Image available**
WPI Acc No: 2000-037961/200003
XRPX Acc No: N00-028604
   Automatic   planar   point   patterns   matching **method in computer**
  system
Patent Assignee: HSU W (HSUW-I)
Inventor: CHANG S; HSU W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 5991430   A   19991123 US 96756526   A   19961126 200003   B

Priority Applications (No Type Date): US 96756526 A 19961126
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 5991430   A   22 G06K-009/00
   Automatic   planar   point   patterns   matching **method in computer system**

Abstract (Basic):
...   A point (pi) in P **pattern** is located for every point (qj) in Q
   pattern , which are then overlapped if they are in same coordinate
   plan. The **similarity** of **patterns** is determined by **comparing** their
   index of **similarity** with a threshold. The point **patterns** are
   matched **automatically** based on **similarity** value (score) of two
   patterns .
...   The P **pattern** is a reference **pattern** including m points
   where P=(p1,p2...pm) and Q **pattern** is a test **pattern** including n
   points where Q=(q1,q2...qn). Each point of **pattern** is expressed by
   (x,y,D) where (x,y) is coordinate and D is feature direction of the
   point. The **similarity** value (score) of the two **patterns** is
   calculated using mated rate (k/n) of reference **pattern** , mated rate
   (k/m) of test **pattern** , average rated possibility of all mated pairs
   etc. An INDEPENDENT CLAIM is also included for **automatic** **planar**
   point **patterns** **matching** device...

...For **matching** fingerprints in computer system...

... **Automatically** **matches** at least two **planar** **point** **patterns** with
   higher speed and lower false rejection rate...

...The figure shows the system diagram for **automatic** **matching** of
   planar **point** **patterns** .

Title Terms: **AUTOMATIC** ;
International Patent Class (Main): **G06K-009/00**
International Patent Class (Additional): **G06K-009/62**

 21/3,K/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012812841   **Image available**
WPI Acc No: 1999-619072/199953
XRPX Acc No: N99-456422
   Automatic   planar   point   patterns   matching method for finger
 prints recognition
Patent Assignee: HSU W (HSUW-I)
Inventor: CHANG S; HSU W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 5974176   A   19991026 US 96756523   A   19961126 199953   B

Priority Applications (No Type Date): US 96756523 A 19961126
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 5974176   A   19 G06K-009/46

Automatic   planar   point   patterns   matching **method for finger prints recognition**

Abstract (Basic):
...   A point (pi) in P **pattern** and point (qj) in Q **pattern** are made to overlap mutually or spaced at shorter distance, when they exist in same coordinate plan. Based on the mated result, the **similarity** of **patterns** is obtained by **comparing** the **similarity** index with threshold value.
...   The mated possibility of every point other than (qj point) and pi point in respective **patterns** , is **calculated** based on a transformation angle. Several such mated possibility results are accumulated and considered as...

...are selected using a specific relation expressed suitably. An INDEPENDENT CLAIM is also included for **automatic   planar   point pattern   matching** device...

...Performs **automatic   pattern   matching** at high speed and less false rejection rate...

...The figure shows **automatic   planar   point   pattern   matching** flow chart...
Title Terms: **AUTOMATIC ;**
International Patent Class (Main): **G06K-009/46**

21/3,K/4   (Item 4 from file: 350)

010228815   **Image available**
WPI Acc No: 1995-130072/199517
XRPX Acc No: N95-102168
    Automatic   planar   point   pattern   matching **device - uses fuzzy relaxation method to** calculate **probability of mating point in first** pattern **to all points of second** pattern
Patent Assignee: CHIEN C (CHIE-I); HSU W H (HSUW-I)
Inventor: CHIEN C; HSU W H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5392367	A	19950221	US 91676796	A	19910328	199517	B
			US 9388579	A	19930709		

Priority Applications (No Type Date): US 91676796 A 19910328; US 9388579 A 19930709
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5392367	A		12	G06K-009/68	Cont of application US 91676796

    Automatic   planar   point   pattern   matching **device...**
...**uses fuzzy relaxation method to** calculate **probability of mating point in first** pattern **to all points of second** pattern

...Abstract (Basic): The device includes a first and second memories to save **planar** positional data of **points** of first and second points patters. A third memory saves probability values of each point of device first point **pattern** to mate with each point of device second point **pattern** . A mating probability is **calculated** in a device which presets all the probability values of each point of device first point

pattern to mate with each point of device second point **pattern** to
set values...

...device uses the sequential forward selection method to select from the
  first and second point **patterns** pairs of points with the highest
  mating probability values...
Title Terms: **AUTOMATIC** ;
International Patent Class (Main): **G06K-009/68**
International Patent Class (Additional): **G06K-009/62**

 21/3,K/5   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007742655
WPI Acc No: 1989-007767/198901
XRPX Acc No: N89-005786
   Real - time **optical multiple object recognition and tracking appts. -
   uses multipoint spatial filters to pre-define objects to be recognised at
   run-time**
Patent Assignee: NAT AERO & SPACE ADMIN (USAS)
Inventor: CHAO T; LIU H K
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US N7154718	N	19881115	US 87154718	A	19871210	198901	B
US 4924507	A	19900508	US 88154718	A	19880211	199023	

Priority Applications (No Type Date): US 87154718 A 19871210; US 88154718 A
  19880211
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US N7154718	N		18		
US 4924507	A		10		

   Real - time **optical multiple object recognition and tracking appts...**

...Abstract (Basic): spatial light modulator (54) to focus the object beam
    (26') at a set of focal **points** (42). A **planar** transparency-forming
    film (32) is disposed exposable to form a multiple position
    interference filter...

...spatial light modulator (54) to focus the object beam (26') at a set of
    focal **points** (42). A **planar** transparency-forming film (32) is
    disposed exposable to form a multiple position interference filter...

...spatial light modulator (54) to focus the object beam (26') at a set of
    focal **points** (42). A **planar** transparency-forming film (32) is
    disposed exposable to form a multiple position interference filter...
...Abstract (Equivalent): 26') subsequent to the modulator (54), focuses
    the object beam at a plurality of focal **points** (42). A **planar**
    transparency-forming film, disposed with the focal points on an
    exposable surface, forms a multiple...

...the film, exposes the surface, with images focused by the hololens (38),
    to form interference **patterns** on the surface...

...light passage through respective ones of the positions of the filter
    (62). Recognition of objects **corresponding** to respective ones of the
    positions of the filter (62) is affected. For tracking an...

Title Terms: **REAL - TIME ;**
International Patent Class (Additional): **G06K-000/01** ...

... **G06K-009/76**
?

016082831   **Image available**
WPI Acc No: 2004-240706/200423
XRPX Acc No: N04-190870
  Digital fingerprinting **method for access control has an optical**
  arrangement that permits contactless imaging of the finger by determining
  a distance to the finger using triangulation **and then focussing at the**
  determined distance
Patent Assignee: MOOS P (MOOS-I)
Inventor: MOOS P
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10239375	A1	20040226	DE 1039375	A	20020825	200423	B

Priority Applications (No Type Date): DE 1039375 A 20020825
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10239375	A1		10	G06K-009/00	

  Digital fingerprinting **method for access control has an optical**
  arrangement that permits contactless imaging of the finger by determining
  a distance to the finger using triangulation **and then focussing at the**
  determined distance

Abstract (Basic):
  ...   Digital **fingerprinting** method in which the **fingerprints** are
    captured in a completely contact-free manner by use of at least two
    periodically imaged partial images from a CMOS planar sensor, so that
    the **triangulation** can be used to determine a distance to a finger and
    ensure it is in...
  ...   Digital **fingerprinting** method for access control...

  ...Drawing includes non-English language text). The figure shows a **side**
    view of an inventive contactless optical image trigger unit...

  ...partial images for distance **measurement** (22a, 22c...
  ...Title Terms: **FINGERPRINT ;**
International Patent Class (Main): **G06K-009/00**

013589362
WPI Acc No: 2001-073569/200109
XRPX Acc No: N01-055910
  Method of anticipating and tracking user eye **movements in head tracked**
  projectors by dividing the viewing area into triangles **and finding the**
  user's viewpoint by interpolation
Patent Assignee: EVANS & SUTHERLAND COMPUTER CO (EVAN-N)
Inventor: SKOLMOSKI P
Number of Countries: 004 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2350422	A	20001129	GB 200010863	A	20000508	200109	B
CA 2308822	A1	20001118	CA 2308822	A	20000515	200109	

Method of anticipating and tracking user eye **movements in head tracked projectors by dividing the viewing area into** triangles **and finding the user's viewpoint by interpolation**

Abstract (Basic):
...   The projection surface is divided into contiguous spherical
triangles which are searched to find the **triangle** which contains the
user's interpolated viewpoint. A calibration map contains information
about the relationship...
...   is located by performing a dot product test between the
interpolated viewpoint and the normal **vectors** inside the three planes
making up the **sides** of each **triangle** extended back to the user's
eye point. When the test fails for any **side** of a **triangle** the test
is restarted in the adjacent **triangle** . When the correct **triangle** is
found it is divided into three sub- **triangles** whose areas are
calculated to **weight** the calibration points stored within each
vertex. The **weighted** calibrations are added to the interpolated
viewpoint to create a calibrated viewpoint at which the...
...Title Terms: **EYE ;**
...International Patent Class (Main): **G06K-009/00**
?

```
File    9:Business & Industry(R) Jul/1994-2004/Oct 27
          (c) 2004   The Gale Group
File   15:ABI/Inform(R) 1971-2004/Oct 29
          (c) 2004 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2004/Oct 29
          (c) 2004 The Gale Group
File   20:Dialog Global Reporter 1997-2004/Oct 29
          (c) 2004 The Dialog Corp.
File   47:Gale Group Magazine DB(TM) 1959-2004/Oct 29
          (c) 2004 The Gale group
File   75:TGG Management Contents(R) 86-2004/Oct W3
          (c) 2004 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 29
          (c) 2004 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2004/Oct 27
          (c) 2004 The Gale Group
File   98:General Sci Abs/Full-Text 1984-2004/Sep
          (c) 2004 The HW Wilson Co.
File  112:UBM Industry News 1998-2004/Jan 27
          (c) 2004 United Business Media
File  141:Readers Guide 1983-2004/Sep
          (c) 2004 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2004/Oct 15
          (c)2004 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2004/Oct 29
          (c) 2004 The Gale Group
File  264:DIALOG Defense Newsletters 1989-2004/Oct 28
          (c) 2004 The Dialog Corp.
File  369:New Scientist 1994-2004/Oct W3
          (c) 2004 Reed Business Information Ltd.
File  370:Science 1996-1999/Jul W3
          (c) 1999 AAAS
File  484:Periodical Abs Plustext 1986-2004/Oct W4
          (c) 2004 ProQuest
File  553:Wilson Bus. Abs. FullText 1982-2004/Sep
          (c) 2004 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2004/Oct 29
          (c) 2004 The Gale Group
File  608:KR/T Bus.News. 1992-2004/Oct 29
          (c)2004 Knight Ridder/Tribune Bus News
File  620:EIU:Viewswire 2004/Oct 28
          (c) 2004 Economist Intelligence Unit
File  613:PR Newswire 1999-2004/Oct 28
          (c) 2004 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 29
          (c) 2004 The Gale Group
File  623:Business Week 1985-2004/Oct 28
          (c) 2004 The McGraw-Hill Companies Inc
File  624:McGraw-Hill Publications 1985-2004/Oct 28
          (c) 2004 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2004/Oct 27
          (c) 2004 San Jose Mercury News
File  635:Business Dateline(R) 1985-2004/Oct 29
          (c) 2004 ProQuest Info&Learning
File  636:Gale Group Newsletter DB(TM) 1987-2004/Oct 29
          (c) 2004 The Gale Group
File  647:CMP  Computer Fulltext 1988-2004/Oct W3
          (c) 2004 CMP Media, LLC
File  696:DIALOG Telecom. Newsletters 1995-2004/Oct 28
```

```
Set      Items    Description
S1        277     PLANAR(3N)POINT?
S2     312580     TRIANG?
S3       2076     GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4        214     (XY OR X-Y)()COORDINAT?
S5       4794     S2(3N)(VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE?)
S6       1932     S2(3N)(MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR R-
                  ANKING OR SCORED OR SCORING OR SCORE)
S7         38     FLAG(3N)(MATRIX OR MATRICE??)
S8          9     S1(3N)(PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR -
                  FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9    1800398     FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10     76862     BIOMETRIC?
S11         0     S8(3N)(CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORR-
                  ESPOND? OR RELATED OR ASSOCIAT?)
S12         0     S11(3N)(AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()TI-
                  ME OR SIMULTANEOUS?)
S13     13072     (S9 OR S10)(3N)(DATABASE OR INDEX OR FILE?? OR INDICES OR -
                  TABLE?? OR RECORDS)
S14      1083     AU=(HUANG, J? OR HUANG J?)
S15         0     S8(S)(S9 OR S10)
S16         0     S1(S)S2(S)S7
S17         0     S1(S)S2(S)FLAG??
S18      2677     (S2 OR S5 OR S6)(S)(S9 OR S10)
S19         0     S18(S)S1
S20         8     S18(S)PLANAR?
S21         5     RD S20 (unique items)
S22         0     S14(S)S1(S)S2
S23         0     S14 AND S1(S)S2
S24         9     S14 AND (S9 OR S10)
S25         7     RD S24 (unique items)
S26        15     S1(S)S2
S27         0     S26(S)(S9 OR S10)
S28       106     S5(S)S6
S29         0     S28(S)S1
S30         0     S28(S)S7
S31         0     S28(S)FLAG??
```

21/3,K/1   (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03950299   SUPPLIER NUMBER: 14035116   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The newer paradigm: a plea for higher dimensions. (humor)
Holt, Jim
The New Republic, v209, n2, p22(4)
July 12, 1993
ISSN: 0028-6583   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3816   LINE COUNT: 00288

...   see at least one higher dimension--the fourth, let us say--in the
mind's **eye** . The quickest route to such vision is via analogy. Imagine
that, like the Flatlanders of Abbott's fiction, we were two-dimensional
beings--circles, squares, **triangles** and so on--sliding around onan
infinite plane. How would it look to us ifwith our **planar** realm, we would
observe a single point. As it continued its passage, the point would...

 21/3,K/2   (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06512647   SUPPLIER NUMBER: 104208974
Why Chinese painting is history.
Fong, Wen C.
The Art Bulletin, 85, 2, 258(23)
June, 2003
ISSN: 0004-3079   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 16209   LINE COUNT: 01282

...   of painting as a representation of the visual world--proposed that
there is, instead, a " **planar** structure (that) in fact absolutely
establishes and qualifies images and is a major condition of...

...visible their meaning." (100) Chinese painting, which is based on
graphic conventions, builds from a **planar** , rather than an optical,
structure. Early pictorial representation, using graphic symbols, reads
both horizontally along...

...in space was the use of diagonal lines--taken from the sloping shoulders
of a **triangular** motif of a gabled roof or a mountain--to form
parallelograms that could suggest recession...
...E.), for example, a series of courtyard scenes created by parallelograms
presents a bird's- **eye** view of enclosed spaces filled with rows of figures
and buildings. Parallelograms also form the...

 21/3,K/3   (Item 1 from file: 370)
DIALOG(R)File 370:Science
(c) 1999 AAAS. All rts. reserv.

00507398   (USE 9 FOR FULLTEXT)
**Onset of Catalytic Activity of Gold Clusters on Titania with the Appearance
  of Nonmetallic Properties**
Valden, M.; Lai, X.; Goodman, D. W.
Department of Chemistry, Texas A&M University, College Station, TX
  77842-3012, USA.
Science Vol. 281 5383 pp. 1647

(THIS IS THE FULLTEXT)

...Text: is one of the most important goals of surface science studies related to heterogeneous catalysis. **Planar** model catalysts (B1) (B2) (B3) consisting of metal clusters supported on thin (2.0 to...average cluster diameters were measured by TEM. The solid line serves merely to guide the **eye** .
    ...4.0 ML. (*) Two-dimensional (2D) clusters; (□) 3D clusters, two atom layers in height; ((**triangle** -solid)) 3D clusters with three atom layers or greater in height. (C) Relative population of...

 21/3,K/4   (Item 2 from file: 370)
**Nanorod-Superconductor Composites: A Pathway to Materials with High
  Critical Current Densities**
Yang, Peidong; Lieber, Charles M.
P. Yang, Department of Chemistry, Harvard University, Cambridge, MA 02138,
   USA. ; C. M. Lieber, Division of Applied Sciences and Department of
   Chemistry, Harvard University, Cambridge, MA 02138, USA.

(THIS IS THE FULLTEXT)

...Text: single crystals showed that a high density of oriented MgO nanorods can be produced on **planar** substrates (Fig. 2C). The principle growth direction of the nanorods was normal to the substrate...T.inf(c)'s of both samples were 80 K. The data shown correspond to **measurements** made at 5 ((**triangle** -solid)), 40 (down **triangle** , filled), and 60 K (lozenge, filled). (B) Dependence of J.inf(c) as a function...

...Design). The solid lines through the points in (A) and (B) are guides to the **eye** .
    ...

...had a T.inf(c) of ~80 K. The solid lines are guides to the **eye** .
    ...

...Figure Removed

Figure F6
Caption: Plots of the irreversibility line for BSCCO-nanorod composite ((**triangle** -solid)) and BSCCO reference (+) samples. Both samples had a T.inf(c) of ~80 K

06601280   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Financial Mail, London, U.S. Business Briefs
Financial Mail on Sunday, London
October 25, 1998
DOCUMENT TYPE: NEWSPAPER   RECORD TYPE: FULLTEXT   LANGUAGE: ENGLISH
WORD COUNT: 689

...TEXT: with his RestAssured Personal Inspection Light -- an ultraviolet
handheld flashlight that detects what the naked **eye** cannot.
"You darken the hotel room," explains Schulman. "You turn on the
ultraviolet lamp and...

...miss a big chunk of the US population," says Jeff Nager of North
Carolina's **Triangle** Bank. "I don't care if you're one of the largest
banks in the world, you have to have a crux of businesses that are micro or
smaller."
 Triangle is confident lending to small businesses. And the Asian crisis
is not likely to cripple...

...it. Students struggle through two and four-year courses in motion
dynamics, algorithm analysis and **planar** analytic geometry.
The video game biz is fast-growing and needs educated talent. And DigiPen
...
?

25/3,K/1   (Item 1 from file: 47)
DIALOG(R)File   47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

06684361   SUPPLIER NUMBER: 110459883   (USE FORMAT 7 OR 9 FOR FULL TEXT
)
The Atheist: Madalyn Murray O'Hair.(Book Review)
 Huang, Jende
The Humanist, 63, 6, 43(2)
Nov-Dec, 2003
DOCUMENT TYPE: Book Review   ISSN: 0018-7399   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 862   LINE COUNT: 00070

 Huang, Jende
...   of religion and of theistic belief and the rise of her notoriety in
the public **eye** and eventual fall as a sad spectacle. It also discusses
the United States' cultural shift...

 25/3,K/2   (Item 1 from file: 88)
DIALOG(R)File   88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06167370   SUPPLIER NUMBER: 86391203
**Are investors listening when politicians speak? Assessing the securities
  fraud liability of political officials who manage large civic works
  projects.**
 Huang, Jeffrey S.
American Criminal Law Review, 39, 1, 147(23)
Wntr, 2002
ISSN: 0164-0364   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 13661   LINE COUNT: 01124

 Huang, Jeffrey S.
...   projects are often intentionally vague because the political
viability of the project in the public **eye** may be more crucial to its
completion than the concerns of the financial community. (50...no doubt was
material to investors," it "had to have been styled with a primary **eye**
toward potential bidders for the cellular properties, from whom it wanted,
in its shareholders' interests...

 25/3,K/3   (Item 2 from file: 88)
DIALOG(R)File   88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

05510434   SUPPLIER NUMBER: 64493859
**Synthesis of Poly(2,5-di-n-butoxy-p-phenylene vinylene) and Its Application
  in Light-Emitting Diodes.**
WANG, GUOJIE; **HUANG, JINGSONG** ; LI, MIN; CHEN, XINFANG; LIU, SHIYONG
Polymer Engineering and Science, 40, 7, 1606
July, 2000
ISSN: 0032-3888   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 2972   LINE COUNT: 00231

... **HUANG, JINGSONG**
...   1). The aromatic ring vibrations and deformation vibrations of the
side chains appear in the **fingerprint** region between 1600 and 1348
(cm.sup.-1). The strong band at 1248 (cm.sup...

25/3,K/4   (Item 1 from file: 148)

16674429   SUPPLIER NUMBER: 111300284   (USE FORMAT 7 OR 9 FOR FULL TEXT
)
Comment.
Wu, Colin O.; **Huang, Jianhua Z.**
Journal of the American Statistical Association, 98, 463, 588(4)
Sept, 2003
ISSN: 0162-1459   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 3237   LINE COUNT: 00290

... **Huang, Jianhua Z.**
...   E. (2003), "Multiple Outputation: Inference for Complex
Multivariate Data by Averaging Analyses From Univariate Data," **Biometrics**
, 59, 420-429.
        Higgins, M. W. (1984), "The Framingham Heart Study: Review of
Epidemiological Design...

25/3,K/5   (Item 2 from file: 148)

10160478   SUPPLIER NUMBER: 20098814   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sieve estimation for the proportional-odds failure-time regression model
  with interval censoring.**
 Huang, Jian ; Rossini, A.J
Journal of the American Statistical Association, v92, n439, p960(8)
Sep, 1997
ISSN: 0162-1459   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7205   LINE COUNT: 00620

 Huang, Jian ...
...   Verlag.
    Finkelstein, D. M. (1986), "A Proportional Hazards Model for
Interval-Censored Failure Time Data," **Biometrics** , 42, 845-854.
    Finkelstein, D. M., and Wolfe, R. A. (1985), "A Semiparametric Model
for Regression Analysis of Interval-Censored Failure Time Data,"
Biometrics , 41, 933-945.
        Gill, P. E., Murray, W., Saunders, M. A., and Wright, M. H...

25/3,K/6   (Item 1 from file: 635)

2572543 641071991
**At Maine Med, it's click vs. scribble ; To avoid medical mistakes born of
    illegible writing, the medical staff is computerizing orders.**
 HUANG, JOSIE
Portland Press Herald p1.A
May 24, 2004
WORD COUNT: 1,049
DATELINE: Portland Maine

 HUANG, JOSIE

TEXT:

   ...much more than they do on a computer screen - that's just the way
our **eye** and our brain assimilate information."

   For less tech-savvy physicians, computerized systems are also more
. . .

 25/3,K/7   (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

2488114   455233611
**BAR'S PLAN TO MOVE IRKS NEW NEIGHBORS ; C.J. Thirsty's neighbors at its
   present location have plenty of complaints about rowdiness and noise.**
 HUANG, JOSIE
Portland Press Herald p1.B
Nov 20, 2003
WORD COUNT: 954
DATELINE: Portland Maine

 HUANG, JOSIE

TEXT:

   ...a week. Each week, she diligently sweeps cigarette butts off the
sidewalk and keeps an **eye** on children living in apartments across the
street as they wait for the school bus...
?

Set	Items	Description
S1	886	PLANAR(3N)POINT?
S2	93068	TRIANG?
S3	2399	GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4	699	(XY OR X-Y)()COORDINAT?
S5	8858	S2(3N)(VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE?)
S6	1252	S2(3N)(MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR R-ANKING OR SCORED OR SCORING OR SCORE)
S7	116	FLAG(3N)(MATRIX OR MATRICE??)
S8	40	S1(3N)(PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR -FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	90510	FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10	4368	BIOMETRIC?
S11	1	S8(3N)(CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORR-ESPOND? OR RELATED OR ASSOCIAT?)
S12	0	S11(3N)(AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()TI-ME OR SIMULTANEOUS?)
S13	2196	(S9 OR S10)(3N)(DATABASE OR INDEX OR FILE?? OR INDICES OR -TABLE?? OR RECORDS)
S14	467	AU=(HUANG, J? OR HUANG J?)
S15	33	S1(S)(S2 OR S5 OR S6)
S16	1	S15(S)(S9 OR S10)
S17	1	S16 NOT S11
S18	33	S1(S)S2
S19	1	S18(S)(S9 OR S10)
S20	0	S19 NOT (S16 OR S11)
S21	0	(S2 OR S3 OR S4 OR S5 OR S6)(10N)S7
S22	2	S7 AND IC=G06K?
S23	2	S22 NOT (S16 OR S11)
S24	237	S2(10N)(S9 OR S10)
S25	1	S24(5N)PLANAR?
S26	1	S25 NOT (S16 OR S11)
S27	0	TRIANG?(3N)SIDE(3N)S7
S28	36	S24(10N)POINT?
S29	0	S28(10N)FLAG??
S30	3	S28(10N)(MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR RANKING OR SCORED OR SCORING OR SCORE)
S31	3	S30 NOT (S22 OR S16 OR S11)
S32	12	S28(10N)(VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARS-E?)
S33	12	S32 NOT (S30 OR S22 OR S16 OR S11)
S34	0	S14 AND S1
S35	23	S14 AND (S9 OR S10)
S36	0	S35(3N)S2
S37	0	S35(S)S2
S38	0	S35 AND IC=G06K?
S39	0	S35(S)S1
S40	0	S35(S)S7

00909145   **Image available**
PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
    DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
    DE DECHATOIEMENT INTEGRE
Patent Applicant/Assignee:
  METROLOGIC INSTRUMENTS INC, 90 Coles Road, Blackwood, NJ 08012, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  TSIKOS Constantine J, 65 Woodstone Drive, Voorhees, NJ 08043-4749, US, US
    (Residence), US (Nationality), (Designated only for: US)
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    (Residence), US (Nationality), (Designated only for: US)
  ZHU Xiaoxun, 669 Barton Run Boulevard, Marlton, NJ 08053, US, US
    (Residence), CN (Nationality), (Designated only for: US)
  SCHNEE Michael D, 41 Penns Court, Aston, PA 191014, US, US (Residence),
    US (Nationality), (Designated only for: US)
  AU Ka Man, 1224 Devereaux Avenue, Philadelphia, PA 19111, US, US
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    (Nationality), (Designated only for: US)
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  DEFONEY Shawn, 331 Fay Ann Court, Runnemede, NJ 08078, US, US (Residence)
    , US (Nationality), (Designated only for: US)
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    US, US (Residence), US (Nationality), (Designated only for: US)
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  GIORDANO Patrick A, 1501 Little Gloucester Road, Apartment #U-40,
    Blackwood, NJ 08012, US, US (Residence), US (Nationality), (Designated
    only for: US)
  COLAVITO Stephen J, 3520 Edgewater Lane, Brookhaven, PA 19015-2607, US,
    US (Residence), US (Nationality), (Designated only for: US)
  WILZ David W Sr, 10 Orion Way, Sewell, NJ 08080, US, US (Residence), US
    (Nationality), (Designated only for: US)
  SCHWARTZ Barry E, 407 Farwood Road, Haddonfield, NJ 08033, US, US

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   KIM Steve Y, 129 Franklin Street, #113, Cambridge, MA 02139, US, US
      (Residence), US (Nationality), (Designated only for: US)
   FISCHER Dale, 204 Sunshire Lakes Drive, Voorhees, NJ 08043, US, US
      (Residence), US (Nationality), (Designated only for: US)
   VAN Tassel John E Jr, 8 Arbor Lane, Winchester, MA 01890, US, US
      (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
   PERKOWSKI Thomas J (et al) (agent), Thomas J. Perkowski, Esq., P.C.,
      Soundview Plaza, 1266 East Main Street, Stamford, CT 06902, US,

Fulltext Availability:
   Claims

Claim
... array 301B is to optically combine the spatial phase modulated PUB
   components so that each **point** on the surface of the target object being
   illuminated by numerous spatial-phase delayed PLIB...the transmitted
   PLIB; and (v) the number of real laser illumination sources employed in
   each **planar** laser illumination array in the PLIIM-based system.
   Parameters (1) through (iv) will factor into...
?

23/3,K/1   (Item 1 from file: 348)

00528563
Method and apparatus for the detection of dot-matrix printed text so as to
    improve optical character recognition
Verfahren und Gerat zur Detektion von Text in Punktmatrixdruck zur
    Verbesserung von optischer Zeichenerkennung
Procede et appareil de detection de texte imprime en matrice de points en
    vue d'une perfectionnement de la reconnaissance optique des caracteres
PATENT ASSIGNEE:
  EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York
    14650-2201, (US), (applicant designated states: DE;FR;GB;NL)
INVENTOR:
  Hadgis, George Anthony, c/o Eastman Kodak Company, Patent Legal Staff,
    343 State Street, Rochester, New York 14650-2201, (US)
LEGAL REPRESENTATIVE:
  Garratt, Peter Douglas et al (43121), Mathys & Squire 100 Grays Inn Road,
    London WC1X 8AL, (GB)
PATENT (CC, No, Kind, Date): EP 539854 A2 930505 (Basic)
                              EP 539854 A3 940504
                              EP 539854 B1 990317
APPLICATION (CC, No, Date):   EP 92117975 921021;
PRIORITY (CC, No, Date): US 786474 911101
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: **G06K-009/20**
ABSTRACT WORD COUNT: 62

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
       CLAIMS B (English) 9911   692
       CLAIMS B (German)   9911   641
       CLAIMS B (French)   9911   799
       SPEC B   (English) 9911   3159
Total word count - document A   0
Total word count - document B   5291
Total word count - documents A + B   5291

INTERNATIONAL PATENT CLASS: **G06K-009/20**

...SPECIFICATION referred to as region or neighborhood) be processed and
   based on certain characteristics, identify or **flag** when dot- **matrix**
   printed text is present within the current M x N kernal. This M x N...

 23/3,K/2   (Item 2 from file: 348)

00195021
EARLY FAULT DETECTION FOR A TOUCH INPUT DEVICE.
FRUHZEITIGE FEHLERFESTSTELLUNG FUR EINE BERUHRUNGSEINGABEVORRICHTUNG.
**DETECTION PRECOCE DE DEFAILLANCES POUR UN DISPOSITIF D'INTRODUCTION DE
    DONNEES PAR EFFLEUREMENT.**
PATENT ASSIGNEE:
  Carroll Touch, Inc., (734080), 2800 Oakmont Drive, Round Rock Texas 78680
    , (US), (applicant designated states: DE;FR;GB;IT;NL)
INVENTOR:

CARROLL, Arthur, Bruce, 207 Ridgewood Drive, Georgetown, TX 78626, (US)
CARSTEDT, John, Keith, 1300 Oakridge Drive, Round Rock, TX 78664, (US)
LEGAL REPRESENTATIVE:
  Warren, Keith Stanley et al (37351), BARON & WARREN 18 South End
    Kensington, London W8 5BU, (GB)
PATENT (CC, No, Kind, Date): EP 199764 A1 861105 (Basic)
                              EP 199764 B1 911218
                              WO 8602755 860509
APPLICATION (CC, No, Date): EP 85905289 851015; WO 85US1993 851015
PRIORITY (CC, No, Date): US 666949 841031
DESIGNATED STATES: DE; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: **G06K-011/08**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	278
CLAIMS B	(German)	EPBBF1	249
CLAIMS B	(French)	EPBBF1	306
SPEC B	(English)	EPBBF1	7839
Total word count - document A			0
Total word count - document B			8672
Total word count - documents A + B			8672

INTERNATIONAL PATENT CLASS: **G06K-011/08**

...SPECIFICATION beams thereby effectively doubling the resolution or
  interpolation of the present system to a 32x64 **matrix** . Should a warning
   flag be indicated as a result of early fault detection, then a number
  of schemes may...
?

01032277
Optical sighting device
Optische Visiereinrichtung
Appareil de visee optique
PATENT ASSIGNEE:
  Trijicon, Inc., (1368914), 49385 Shafer Avenue, Wixom Michigan 48393-0059
  , (US), (Applicant designated States: all)
INVENTOR:
  Bindon, Glyn Aubrey J., 11026 Sandy Creek Drive, South Lyon, Michigan
     18178, (US)
  Kennedy, Paul, 37 Whiting Road, East Hartford, Connecticut O6118, (US)
LEGAL REPRESENTATIVE:
  Nicholls, Michael John (61941), J.A. KEMP & CO. 14, South Square Gray's
     Inn, London WC1R 5LX, (GB)
PATENT (CC, No, Kind, Date): EP 918243 A2 990526 (Basic)
                              EP 918243 A3 000202
APPLICATION (CC, No, Date):   EP 98309132 981106;
PRIORITY (CC, No, Date): US 975150 971120
DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G02B-027/34; F41G-001/00
ABSTRACT WORD COUNT: 47
NOTE:
  Figure number on first page: 11

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
       CLAIMS A (English) 9921   2175
       SPEC A   (English) 9921   7874
Total word count - document A   10049
Total word count - document B   0
Total word count - documents A + B   10049

...SPECIFICATION The resultant triangle has a base or bottom edge line 36'.
  As viewed by the **eye** 24 the resultant **triangle** will appear flat or
  planar .
    Although the roof surfaces 34 extend a significant distance beyond the
  edge line 36', light...polished surface 34aa as shown in Figures 6 and 7.
  Again as viewed by the **eye** 24 the **triangular** shape will appear flat
  or **planar** .
    Looking now to Figure 10, in conjunction with Figures 1A and 1B, the
  optical gun...
?

DIALOG(R)File 348:EUROPEAN PATENTS
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00363868
Ophthalmological diagnosis method and apparatus.
Ophthalmoskopisches Diagnoseverfahren und Gerat.
Methode et appareil ophtalmologique pour le diagnostic.
PATENT ASSIGNEE:
   KOWA COMPANY LTD., (410434), 6-29, Nishiki 3-chome, Naka-ku Nagoya-shi
      Aichi-ken, 460, (JP), (applicant designated states: CH;DE;FR;GB;IT;LI)
INVENTOR:
   Aizu, Yoshihisa, 3-5-202 Fujinodai-danchi 3133 Kanai-cho, Machida-shi
      Tokyo, 194-01, (JP)
   Sugita, Toshiaki, 1-17-11 Asahigaoka, Hino-shi Tokyo, 191, (JP)
   Ogino, Kouji, 1-17-11 Asahigaoka, Hino-shi Tokyo, 191, (JP)
LEGAL REPRESENTATIVE:
   Miller, Joseph et al (33871), J. MILLER & CO. 34 Bedford Row, Holborn,
      London WC1R 4JH, (GB)
PATENT (CC, No, Kind, Date):   EP 337745 A1 891018 (Basic)
                               EP 337745 B1 940105
APPLICATION (CC, No, Date):   EP 89303590 890412;
PRIORITY (CC, No, Date): JP 8891672 880415
DESIGNATED STATES: CH; DE; FR; GB; IT; LI
INTERNATIONAL PATENT CLASS: A61B-003/12;
ABSTRACT WORD COUNT: 167

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	912
CLAIMS B	(German)	EPBBF1	879
CLAIMS B	(French)	EPBBF1	996
SPEC B	(English)	EPBBF1	10948
Total word count - document A			0
Total word count - document B			13735
Total word count - documents A + B			13735

...SPECIFICATION of a rectangle, as shown in Figure 18a; or as shown in
   Figure 18b, a **triangular** arrangement may be used with the center **of**
   each of three adjacent apertures 65(min) forming the apex **points** of the
   triangle. Instead of such **apertures** , an optical fiber bundle 77(min)
   may be used in which each optical fiber has...

DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00857812
METHOD AND APPARATUS FOR MEASURING OCULAR ALIGNMENT
PROCEDE ET APPAREIL D'ADAPTATION CONTROLEE DE LA CORNEE
Patent Applicant/Assignee:
   SENSOMOTORIC INSTRUMENTS GMBH, Warthestrasse 21, 14513 Teltow, DE, DE
      (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
   TAYLOR Natalie, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
      (Nationality), (Designated only for: US)
   LUTZ Peter, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
      (Nationality), (Designated only for: US)

SCHMIDT Eberhard, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
   (Nationality), (Designated only for: US)
  TEIWES Winfried, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
   (Nationality), (Designated only for: US)
  WEISE Ralf, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
   (Nationality), (Designated only for: US)
Legal Representative:
  DORRIES FRANK-MOLNIA & POHLMAN (agent), Postfach 221661, 80506 Munich, DE
   ,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200189373 A2-A3 20011129 (WO 0189373)
  Application: WO 2001EP5838 20010521 (PCT/WO EP0105838)
  Priority Application: US 2000206091 20000520
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5908

Fulltext Availability:
  Detailed Description

Detailed Description
... the exact camera positions are known. With the preferred system all
  six coordinates of the **eye** could be **measured** by **triangulation** of
  three different **points** on the **eye** , e.g. with two further so-called
  landmarks that can be recognized easily.

  With only...

 31/3,K/3   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00386816   **Image available**
**METHOD OF CREATING AND SEARCHING A MOLECULAR VIRTUAL LIBRARY USING
   VALIDATED MOLECULAR STRUCTURE DESCRIPTORS**
**PROCEDE POUR CREER UNE BIBLIOTHEQUE MOLECULAIRE VIRTUELLE ET PROCEDE POUR Y
   FAIRE DES RECHERCHES, EN UTILISANT DES DESCRIPTEURS VALIDES DE
   STRUCTURE MOLECULAIRE**
Patent Applicant/Assignee:
  PATTERSON David E,
  CRAMER Richard D,
  CLARK Robert D,
  FERGUSON Allan M,
Inventor(s):
  PATTERSON David E,
  CRAMER Richard D,
  CLARK Robert D,
  FERGUSON Allan M,
Patent and Priority Information (Country, Number, Date):

Detailed Description
...   and {max. metric value, 0}. For a metric to be a valid and a useful
  measure of molecular diversity, the density of **points** in the lower
  right trapezoid should be significantly greater than the density in the
  upper left **triangle** . To determine the correct placement of the line,
  the variation in the density of points...
?

33/3,K/1   (Item 1 from file: 348)

01430594
A language modelling system and a fast parsing method
Sprachmodellierungsvorrichtung und Verfahren zur schnellen Analyse
Systeme de modelisation du langage et methode pour l'analyse rapide
PATENT ASSIGNEE:
  Natlantech Naamloze Vennootschap, (3196340), Frans van Ryhovelaan, 280,
    9000 Gent, (BE), (Applicant designated States: all)
INVENTOR:
  De Brabander, Filip, Frans Van Ryhovelaan 280, 9000 Gent, (BE)
LEGAL REPRESENTATIVE:
  Quintelier, Claude et al (73885), Gevers & Vander Haeghen, Livornostraat
    7, 1060 Brussels, (BE)
PATENT (CC, No, Kind, Date): EP 1209560 A1 020529 (Basic)
APPLICATION (CC, No, Date):   EP 2000870278 001121;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 169
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200222   3054
      SPEC A . (English) 200222   18907
Total word count - document A   21961
Total word count - document B   0
Total word count - documents A + B 21961

...SPECIFICATION How 3D co-ordinates relate to the 2D angular eye
  viewpoint, plus distance of the **point** from the **eye** centre.

  Figure 4
    Introduction to 3D visualisation: How a 3D **triangle** can be described
  with the co-ordinates of its three **vertices** .

  Figure 5
    Introduction to 3D visualisation: To wallpaper the surface, a
  stretching operation is done...

 33/3,K/2   (Item 2 from file: 348)

01058631
Three-dimensional graphics accelerator
Dreidimensionaler graphischer Beschleuniger
Accelerateur graphique tridimensionnel
PATENT ASSIGNEE:
  SUN MICROSYSTEMS, INC., (1392733), 901 San Antonio Road, Palo Alto,
    California 94303, (US), (Applicant designated States: all)
INVENTOR:
  Nelson, Scott R., 4429 Clovewood Lane, Pleasanton, California 94588, (US)

Deering, Michael F., 657 Cuesta Drive, Los Altos, California 94042, (US)
LEGAL REPRESENTATIVE:
   Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane,
      London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date):   EP 933729 A2   990804 (Basic)
                               EP 933729 A3   020508
APPLICATION (CC, No, Date):   EP 99300759 990202;
PRIORITY (CC, No, Date): US 17973 980203
DESIGNATED STATES: DE; FR; GB; IT; NL; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06T-015/50; G06T-015/20
ABSTRACT WORD COUNT: 267
NOTE:
   Figure number on first page: 6A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English) 9931   1319
      SPEC A   (English) 9931   7574
Total word count - document A   8893
Total word count - document B   0
Total word count - documents A + B   8893

...ABSTRACT A2
   A rapid method for calculating a local **eye**   **vector**   in a fixed **point**
   lighting unit. For a given **triangle** primitive which is to be projected
   into a given viewport in screen space coordinates, the...

...SPECIFICATION out in the claims.
   The present invention comprises a rapid method for calculating a local
eye   **vector**0 in a fixed **point** lighting unit. For a given **triangle**
primitive which is to be projected into a given viewport in screen space
coordinates, the...

 33/3,K/3   **(Item 3 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01032277
Optical sighting device
Optische Visiereinrichtung
Appareil de visee optique
PATENT ASSIGNEE:
   Trijicon, Inc., (1368914), 49385 Shafer Avenue, Wixom Michigan 48393-0059
      , (US), (Applicant designated States: all)
INVENTOR:
   Bindon, Glyn Aubrey J., 11026 Sandy Creek Drive, South Lyon, Michigan
      18178, (US)
   Kennedy, Paul, 37 Whiting Road, East Hartford, Connecticut 06118, (US)
LEGAL REPRESENTATIVE:
   Nicholls, Michael John (61941), J.A. KEMP & CO. 14, South Square Gray's
      Inn, London WC1R 5LX, (GB)
PATENT (CC, No, Kind, Date):   EP 918243 A2   990526 (Basic)
                               EP 918243 A3   000202
APPLICATION (CC, No, Date):   EP 98309132 981106;
PRIORITY (CC, No, Date): US 975150 971120
DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G02B-027/34; F41G-001/00

ABSTRACT WORD COUNT: 47
NOTE:
   Figure number on first page: 11

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   9921   2175
      SPEC A   (English)   9921   7874
Total word count - document A   10049
Total word count - document B   0
Total word count - documents A + B   10049

...CLAIMS roof surfaces being polished to a generally mirror like finish
      and operable at said preselected **angle** to reflect light from said
      reticle pattern towards the **eye** of the observer,
   said reticle pattern providing a generally **triangular** shape with a
      substantially **pointed** end whereby a well defined aiming point is
      provided.
   15. A telescopic sighting device for...

...roof surfaces being polished to a generally mirror like finish and
      operable at said preselected **angle** to reflect light from said
      reticle pattern towards the **eye** of the observer,
   said reticle pattern providing a generally **triangular** shape with a
      substantially **pointed** end whereby a well defined aiming point is
      provided,
   shutter means operatively connected with said

 33/3,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00702282
FINGERPRINT ANALYZING AND ENCODING SYSTEM
SYSTEM ZUR ANALYSE UND ZUM KODIEREN VON FINGERABDRUCKEN
SYSTEME D'ANALYSE ET DE CODAGE D'EMPREINTES DIGITALES
PATENT ASSIGNEE:
   JASPER CONSULTING, INC., (1799541), Suite 200 403 Fourth Street N.W.,
      Bemidji, MN 56601-1497, (US), (Proprietor designated states: all)
INVENTOR:
   TAKHAR, Harinder, S., 72 Skyline Village, Bemidji, MN 56601, (US)
   WENDT, Barry, M., 12020 - 71st Place North, Maple Grove, MN 55369, (US)
   WITTIG, Benedict, A., 10264 Scarborough Circle, Bloomington, MN 55437,
      (US)
LEGAL REPRESENTATIVE:
   Lund, Preben et al (61071), Larsen & Birkeholm A/S, Banegardspladsen 1,
      P.O. Box 362, 1570 Copenhagen V, (DK)
PATENT (CC, No, Kind, Date):   EP 728341 A1   960828 (Basic)
                               EP 728341 B1   991110
                               WO 9513591   950518
APPLICATION (CC, No, Date):   EP 94931790 940930; WO 94US11119 940930
PRIORITY (CC, No, Date): US 152974 931112
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
   NL; PT; SE
INTERNATIONAL PATENT CLASS: G06K-009/00
NOTE:
   No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:
```
Available Text  Language   Update     Word Count
      CLAIMS B  (English)   9945         900
      CLAIMS B  (German)    9945         817
      CLAIMS B  (French)    9945        1027
      SPEC   B  (English)   9945       16716
Total word count - document A             0
Total word count - document B         19460
Total word count - documents A + B    19460
```

...SPECIFICATION b) at a 90(degree) angle. This intersection forms an
   origin coordinate point.
       5) A **vector** (c) is typically projected to connect the core and delta
   points , forming a right `triangle` with **sides** (a), (b), and (c).
       6) The **fingerprint** scan is typically normalized by rotating around
   the origin until **vector** (a) is parallel with the x-axis and vector (b)
   is parallel with the y...

 33/3,K/5   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01160468
VISUAL SIMULATION OF DYNAMIC MOVING BODIES
SIMULATION VISUELLE DE CORPS MOBILES DYNAMIQUES
Patent Applicant/Assignee:
  COMPUTER ASSOCIATES THINK INC, One Computer Associates Plaza, Islandia,
     NY 11749, US, US (Residence), US (Nationality), (For all designated
     states except: US).
Patent Applicant/Inventor:
  LACHMAN Lawrence M, 8008 Pullman Circle, Plano, TX 75024, US, US
     (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  JAWORSKI Richard F (et al) (agent), Cooper & Dunham LLP, 1185 Avenue of
     the Americas, New York, NY 10036, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200481743 A2 20040923 (WO 0481743)
  Application: WO 2004US7258 20040309 (PCT/WO US04007258)
  Priority Application: US 2003386732 20030312
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5887

Fulltext Availability:
  Detailed Description

Detailed Description
... LOD complexity is lowered by a

power of 2. Cells that are closer to the **eye** **point** are
triangulated more **coarsely** than those farther away. The
far clip plane is the linear distance from the eye...

 33/3,K/6   **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01036730   **Image available**
A TEA BAG
SACHET DE THE
Patent Applicant/Assignee:
  TEANGLE A S, Frederiksborggade 15, DK-1360 Copenhagen K, DK, DK
    (Residence), DK (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  CHRISTENSEN Henrik Kurt, Rosenvaengets Hovedvej 46.21, DK-2100 Copenhagen
    O, DK, DK (Residence), DK (Nationality), (Designated only for: US)
  CHRISTENSEN Kurt Christian, Henrik Gerners Vej 6, DK-3460 Birkerod, DK,
    DK (Residence), DK (Nationality), (Designated only for: US)
Legal Representative:
  HOLME PATENT A S (agent), Vesterbrogade 20, DK-1620 Copenhagen V, DK,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200366477 A1 20030814 (WO 0366477)
  Application: WO 2003DK74 20030207 (PCT/WO DK0300074)
  Priority Application: DK 2002183 20020207
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
  CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
  DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
  ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
  MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK (utility model) SK SL TJ TM TN
  TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI
  SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: Danish
Fulltext Word Count: 3849

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...   string attached to a corner of the tea bag and
  running through a slit or **eye** at the **point** of the **triangle**
  opposite the third **side** of the triangle and having a length
  allowing the tea bag to exit the envelope...

Claim
...   attached to a corner of the tea bag
  (2) and running through a slit or **eye** (21) at the
  triangle **point** opposite the third **side** (7) of the
  triangle and having a length allowing the tea bag
  (2) to exit...

00566667   **Image available**
ADVANCED DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR
PROCESSEUR PIPELINE GRAPHIQUE EVOLUE A OMBRAGE DIFFERE
Patent Applicant/Assignee:
  APPLE COMPUTER INC, 1 Infinite Loop, Cupertino, CA 95014-2084, US, US
    (Residence), US (Nationality)
Inventor(s):
  DULUK Jerome F Jr, 950 North California Drive, Palo Alto, CA 94303, US,
  HESSEL Richard E, 3225 Flemington Court, Pleasanton, CA 94588, US,
  ARNOLD Vaughn T, 621 Canepa Drive, Scotts Valley, CA 95066, US,
  BENKUAL Jack, 11661 Timber Spring Court, Cupertino, CA 95014, US,
  BRATT Joseph P, 1045 Oaktree Drive, San Jose, CA 95129, US,
  CUAN George, 798 Lusterleaf Drive, Sunnyvale, CA 94086, US,
  DODGEN Steven L, 15735 Forest Hill Drive, Boulder Creek, CA 95006, US,
  FANG Emerson S, 1197 Wisteria Drive, Fremont, CA 94539, US,
  GONG Zhaoyu G, 1342 S. Stelling Road, Cupertino, CA 95014, US,
  HO Thomas Y, 40732 Ondina Place, Fremont, CA 94539, US,
  HSU Hengwei, 4209 Canfield Drive, Fremont, CA 94536, US,
  LI Sidong, 5598 LeFevre Drive, San Jose, CA 95118, US,
  NG Sam, 34377 Maybird Circle, Fremont, CA 94555, US,
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  ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & HerberT
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    ,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200030040 A1 20000525 (WO 0030040)
  Application: WO 99US18971 19990820 (PCT/WO US9918971)
  Priority Application: US 9897336 19980820; US 98213990 19981217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 180456

Fulltext Availability:
  Detailed Description

Detailed Description
... detail, each map representing the appearance of the texture at a given
 .distance from an **eye   point** ; the texture unit performing tri-linear
  interpolation from the texture maps to produce a texture...downstream
  from the MIJ block need information about the type of the primitive (i.e.
   point , line, **triangle** , line-mode **triangle**); its geometry such as
  window and **eye** coordinates, normal, color, and texture coordinates at
  the **vertices** of the primitive; and the rendering state such as the
  PixelModes, TextureA, TextureB, Light, Material...downstream from the MIJ
  block need information about the type of the primitive (e.g., **point** ,
  line, triangle, line-mode **triangle**); its vertex information V2 (such as
  window and **eye** coordinates, normal, color, and texture coordinates at
  the **vertices** of the primitive); and the state information S3 that was
  active when the primitive was...

 33/3,K/8   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00556004   **Image available**
GRAPHICS PROCESSOR WITH DEFERRED SHADING
PROCESSEUR GRAPHIQUE A OMBRAGE DIFFERE
Patent Applicant/Assignee:
  APPLE COMPUTER INC,
Inventor(s):
  DULUK Jerome F Jr,
  HESSEL Richard E,
  ARNOLD Vaughn T,
  BENKUAL Jack,
  BRATT Joseph P,
  CUAN George,
  DODGEN Steven L,
  FANG Emerson S,
  GONG Zhaoyu G,
  HO Thomas Y,
  HSU Hengwei,
  LI Sidong,
  NG Sam,
  PAPAKIPOS Matthew N,
  REDGRAVE Jason R,
  TRIVEDI Sushma S,
  TUCK Nathan D,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200019377 A1 20000406 (WO 0019377)
  Application: WO 99US19254 19990820 (PCT/WO US9919254)
  Priority Application: US 9897336 19980820; US 98213990 19981217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
  ML MR NE SN TD TG
Publication Language: English

Fulltext Word Count: 63957

Fulltext Availability:
  Detailed Description

Detailed Description
... downstream from the MIJ block need information about the type of the
  primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its
  geometry such as window and **eye** coordinates, normal, color, and texture
  coordinates at the **vertices** of the primitive; and the rendering state
  such as the PixelModes, TextureA, TextureB. Light, Material...

 33/3,K/9   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00548241   **Image available**
TANGENT SPACE LIGHTING IN A DEFERRED SHADING ARCHITECTURE
COMMENT ASSURER UN ECLAIRAGE D'ESPACE TANGENTIEL DANS UNE ARCHITECTURE
    D'OMBRAGE RETARDE
Patent Applicant/Assignee:
  APPLE COMPUTER INC,
Inventor(s):
  DULUK Jerome F Jr,
  DODGEN Steven L,
  PAPAKIPOS Matthew N,
  TUCK Nathan D,
  BRATT Joseph P,
  HESSEL Richard E,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200011614 A2 20000302 (WO 0011614)
  Application: WO 99US19036 19990820 (PCT/WO US9919036)
  Priority Application: US 9897336 19980820; US 98213990 19981217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
  ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 63368

Fulltext Availability:
  Detailed Description

Detailed Description
... downstream from the MIJ block need information about the type of the
  primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its
  geometry such as window and **eye** coordinates, normal, color, and texture
  coordinates at the **vertices** of the primitive; and the rendering state
  such as the PixelModes, TextureA, TextureB, Light, Material...

 33/3,K/10   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00548234   **Image available**
DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR
PROCESSEUR GRAPHIQUE PIPELINE A OMBRAGE REPORTE
Patent Applicant/Assignee:
  APPLE COMPUTER INC,
Inventor(s):
  DULUK Jerome F Jr,
  HESSEL Richard E,
  ARNOLD Vaughn T,
  BENKUAL Jack,
  BRATT Joseph P,
  CUAN George,
  DODGEN Steven L,
  FANG Emerson S,
  GONG Zhaoyu G,
  HO Thomas Y,
  HSU Hengwei,
  LI Sidong,
  NG Sam,
  PAPAKIPOS Matthew N,
  REDGRAVE Jason R,
  TRIVEDI Sushma S,
  TUCK Nathan D,

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200011607 A1 20000302 (WO 0011607)
  Application: WO 99US19191 19990820 (PCT/WO US9919191)
  Priority Application: US 9897336 19980820
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
  ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 19299

Fulltext Availability:
  Detailed Description

Detailed Description
... downstream from the MIJ block need information about the type of the
  primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its
  geometry such as window and **eye** coordinates, normal, color, and texture
  coordinates at the **vertices** of the primitive; and the rendering state
  such as the PixelModes, TextureA, TextureB.

  Light, Material...

 33/3,K/11   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00548230   **Image available**
GRAPHICS PROCESSOR WITH PIPELINE STATE STORAGE AND RETRIEVAL
PROCESSEUR GRAPHIQUE A STOCKAGE ET RECUPERATION DE L'ETAT PIPELINE

Patent Applicant/Assignee:
  APPLE COMPUTER INC,
Inventor(s):
  DULUK Jerome F Jr,
  BENKUAL Jack,
  GO Shun Wai,
  TRAVEDI Sushma,
  HESSEL Richard E,
  BRATT Joseph P,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200011603 A2 20000302 (WO 0011603)
  Application: WO 99US19200 19990820   (PCT/WO US9919200)
  Priority Application: US 9897336 19980820
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
  GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
  CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
  ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 15919

Fulltext Availability:
  Detailed Description

Detailed Description
... downstream from the NM block need information about the type of the
    primitive (e.g., **point** , line, triangle, line-mode **triangle**); its
    vertex information V2 (such as window and **eye** coordinates, normal,
    color, and texture coordinates at the **vertices** of the primitive); and
    the state information S3 that was active when the primitive was...

 33/3,K/12   (Item 8 from file: 349)
·DIALOG(R)File 349:PCT FULLTEXT
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00295442   **Image available**
FINGERPRINT ANALYZING AND ENCODING SYSTEM
SYSTEME D'ANALYSE ET DE CODAGE D'EMPREINTES DIGITALES
Patent Applicant/Assignee:
  JASPER CONSULTING INC,
Inventor(s):
  TAKHAR Harinder S,
  WENDT Barry M,
  WITTIG Benedict A,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9513591 A1 19950518
  Application: WO 94US11119 19940930   (PCT/WO US9411119)
  Priority Application: US 93152974 19931112
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR
  KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA
  UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ
  CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English

Fulltext Word Count: 20135

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...   vector (b) at a
  900 angle, This intersection forms an origin coordinate
  point.

  5) A **vector** (c) is typically projected to
  connect the core and delta **points** , forming a right
   triangle with **sides** (a), (b), and (c).

  6) The **fingerprint** scan is typically
  normalized by rotating around the origin until **vector**
  (a) is parallel with the x-axis and vector (b) is
  parallel with the y...

Claim
...   the
  number of ridge crossings of the first, second, and
  third vectors, the length and **angle** of a core coordinate
   vector , the delta **point** coordinate, and the **fingerprint**
  classification.
  7* The method of claim 5 wherein the **triangle**
  comprises a right triangle wherein the second **vector**
  intersects with the first vector at a substantially
  right angle.
  B* A method of converting...the
  number of ridge crossings of the first, second, and
  third vectors, the length and **angle** of a core coordinate
   vector , the delta **point** coordinate, and the **fingerprint**
  classification.
  21e The method of claim 19 wherein the **triangle**
  comprises a substantially right triangle.
  22* A method of classifying an image-enhanced
  rasterized fingerprint...
?

Brian Q Le

S planar(3n)point?
S triang?
S geometric?(3n)(parameter?? Or coordinate?)
S (xy or x-y)()coordinat?
S s2 and (vector? or vertices or angle?? Or side?? Or coarse?)
S s2 And (measur? or weight? Or weigh? Or ranked or rank or ranking or scored or scoring or score)
S flag(3n)(matrix or matrice??)
S s1 and (pattern? Or design? Or structure? Or character? or formation? Or signature? Or similarit?)
S fingerprint? or finger()print? Or iris or eye
S biometric?
S s8 and (calculat? Or match? Or compar? Or correlat? Or correspond? or related Or associat?)
S s11 and (automatic? Or spontaneous? Or realtime or real()time or simultaneous?)
S (s9 or s10) and (database or index or file?? Or indices or table?? or records)
S au=(Huang, j? or Huang j?)

Pattern Recognition, volume 33 (2000), number 9

Volume 33, Number 2, February 2000